

An IoT based Data Aggregation Mechanism for Cotton WhiteFly Pests

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Cotton whitefly is an important pest that damages crops and reduces crop yield. An IoT-based data Aggregation methodology is proposed to address the challenges of cotton whitefly pest monitoring and control. Uses sensors and IoT devices provide real-time monitoring and complete control of whitefly pests, while also providing timely information to farmers and supporting decision-making by agronomists. A method of data aggregation has been used to determine the number of pests of cotton whiteflies and the damage caused by them. The data aggregation system is designed to support real-time pest monitoring and control, which is critical for effective pest management and crop protection. This study has demonstrated that IoT-based data collection method has proved useful in detecting and controlling cotton whitefly pests and providing timely information to farmers

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